

USER'S MANUAL

Scouting Trail Camera

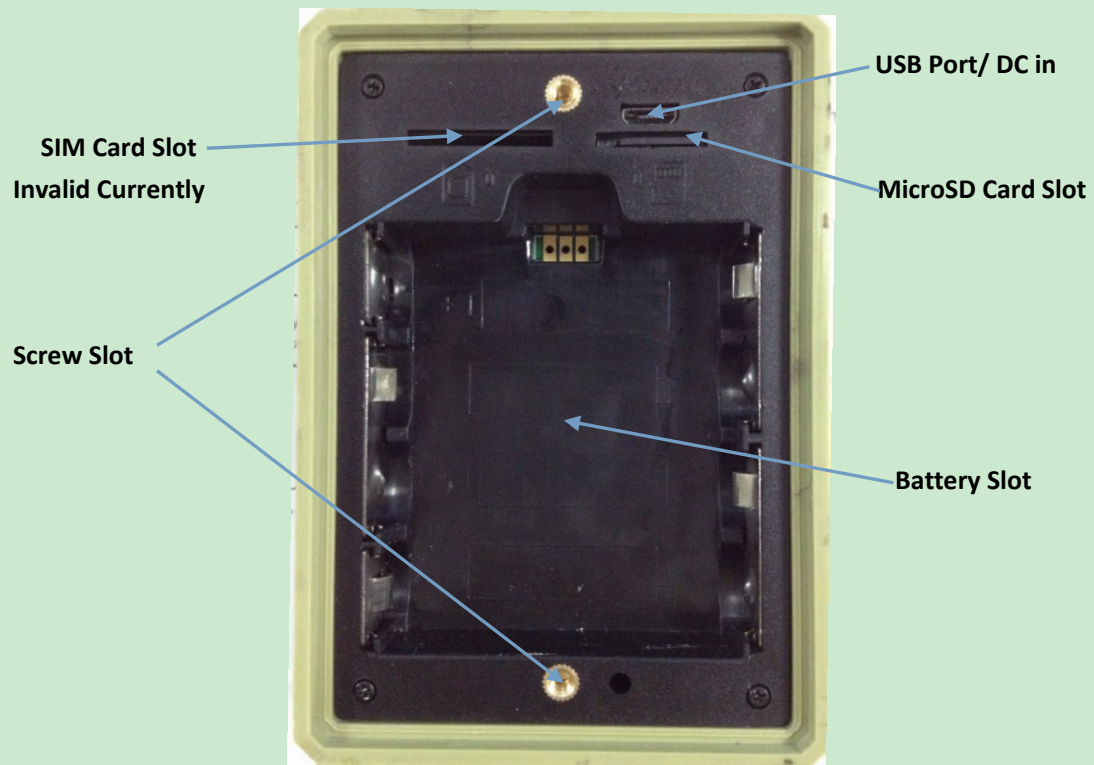
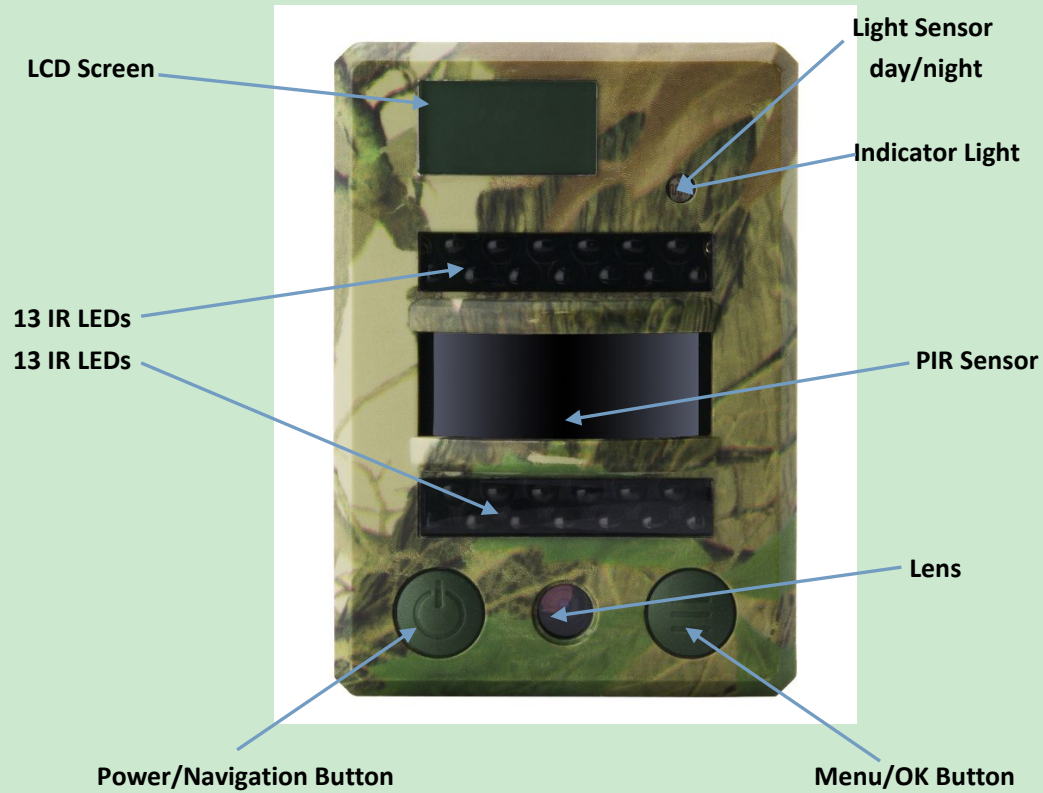


Contents

1. Whole View and Details of Camera.....	1 -
Front View of Camera.....	1 -
Camera Screen Display (Test Mode Main Interface).....	2 -
2. Camera Menu List Introduction.....	3 -
3. Quick Start.....	4 -
Power On Camera.....	4 -
Manual Photographing/ Video Recording.....	4 -
Enter Menu for Setup Functions.....	4 -
Power Off Camera.....	4 -
Camera Operation Flow Chart.....	5 -
4. Detail Setups.....	6 -
Camera Modes (Default Settings).....	6 -
Photo Settings (Default Settings).....	7 -
Video Settings(Default Settings).....	8 -
Camera Settings (Default Settings).....	9 -
Software Upgrade.....	11 -
USB Connection.....	12 -
5. MicroSD Card Selection & Battery Life Test Report.....	13 -
MicroSD Card Selection.....	13 -
Battery Life Test Report for Reference.....	13 -
6. Specification.....	14 -
7. Warranty.....	16 -

1. Whole View and Details of Camera

Front View of Camera



Camera Screen Display (Test Mode Main Interface)

Photo Mode Interface



0001: recorded file number of photos & video clips

9998: estimated available file number based on left memory space in memory card

Video Recording

Video Mode Interface

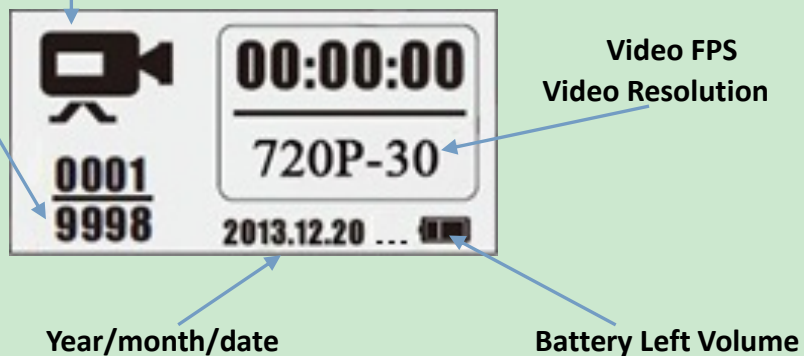


Photo + Video Mode Interface



Note: camera support camera, video, camera + video three different working modes; screen display will be different based on different working mode.

2. Camera Menu List Introduction

1) First Navigation Menu

Name						Exit
Camera ID	Photo	Video	Photo+Video	Settings	Delete	Back to Previous Page

2) Second Navigation Menu: Settings:

















Photo

Video

Timer

Time Lapse

Delay

Stamp

SD Cycle

Camera Sound

PIR

PIR Sensitivity



Date/Time

GPRS

GPRS ON/OFF



Password


Default

Reset

Exit

Back to Previous Page

3) Third Navigation Menu

Photo Settings			Video Settings					
		Exit		Length	Frame	Hz		Exit
Photo Size	Multi Shot		Video Resolution	Video Length	Video Frame	Frequency	Video Sound	

3. Quick Start

1. Open back cover to insert MicroSD Card and batteries;

Power On Camera

2. Press and hold **Power/Navigation button**  for 3 sec; camera will enter PIR Auto Working mode after indicator flashes 5 times;
3. Press **Menu/OK button**  once to wake up camera LCD screen to enter TEST Mode;

Manual Photographing/ Video Recording

4. **Test Mode Main Interface**, press **Power/Navigation button**  again to shoot photos, videos, or photo + video based on camera settings; stop video recording by pressing again **Power/Navigation button** 

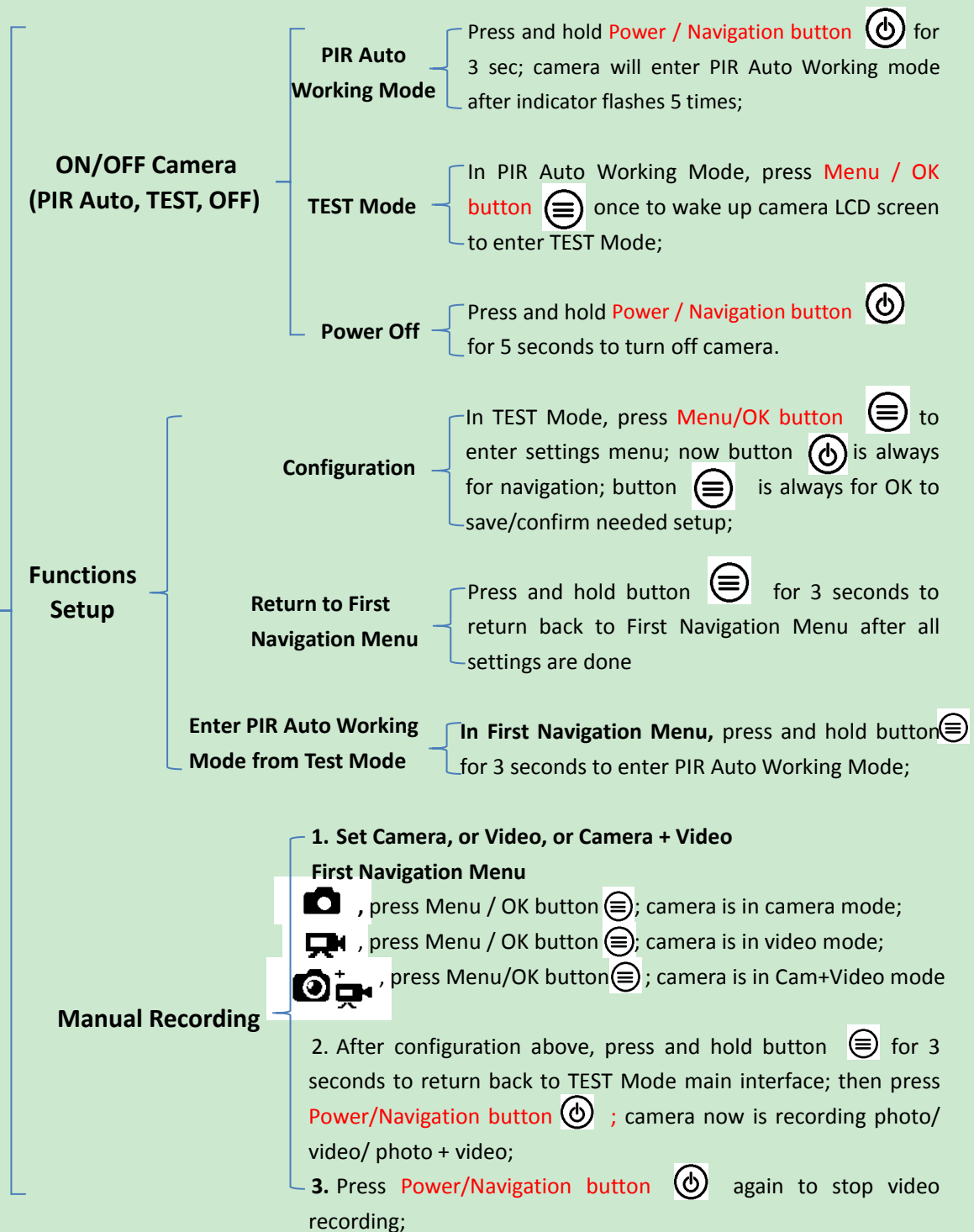
Enter Menu for Setup Functions

5. **Test Mode Main Interface**, press **Menu/OK button**  to enter settings menu; now **button**  is always for navigation; **button**  is always for OK to save/confirm needed setup;
6. Press and hold button  for 3 seconds to return Test Mode Main Interface (Camera Modes Menu) after all settings are done;
7. **Test Mode Main Interface**, press and hold button  for 3 seconds to enter PIR Auto Working Mode; (indicator LED will flash 5 times, Screen will be off.)

Power Off Camera

8. Press and hold button  for 5 seconds to turn off camera.

Camera Operation Flow Chart



Note:

- 1) To ensure camera functions well; plz adjust camera to be with correct time;
- 2) Plz don't turn on Time Lapse ⌚ and Delay 📹 at the same time;
- 3) Camera can be turned off by pressing and holding button ⏻ any time.

4. Detail Setups

Camera Modes (Default Settings)

Name	Camera ID	OFF
	Photo	2MP
	Video	VGA (640*480)
	Photo+Video	OFF
	Settings	
	Delete	
Exit	Back to Previous Page	

If wanted setting icon is not showing on camera LCD screen, press  repeatedly until it appears.

Name Camera ID	a. Set up 1) Press  to enter configuration page, press  to choose ON; press  again to enter configuration page; 2) Press  to choose wanted digit/alphabet, press  to confirm and move to the next; 3) Press  again to confirm combination to exit. b. How does this work? Selected 4 digits/ alphabets will show on the photo stamp. Such function can help user to identify photos are from where and which camera.
 Photo	a. Set up Press  to enter Photo mode; icon OK appears at right bottom of interface  b. Take a Photo Press and hold button  for 3 seconds to return back to TEST Mode main interface;  then press  to take a photo
 Video	a. Set up Press  to enter Video mode; icon OK appears at right bottom

	of interface  b. Start Recording Press and hold button  for 3 seconds to return back to TEST Mode main interface;  then press  to take a video clip; press  again to stop recording.
 Photo + Video	a. Set up Press  to enter Photo + Video mode; icon OK appears at right bottom of interface  b. Start Recording; Photo(s) First, then Recording Video Press and hold button  for 3 seconds to return back to TEST Mode main interface;  then press  to start recording; press  again to stop recording.
 Settings	Press  to enter camera detail settings.
 Delete	Set up 1) Press  to enter configuration page, press  to choose to delete One or All recorded file(s), or Format SD card; 2) Press  choose Yes/ No, press  again to confirm deletion/ Format. Note: 1) Menu will stay in Yes/No interface in deleting One file; plz press “No” to get back to previous interface. This is designed to enable user to delete several files together without pressing more buttons. 2) If all files are deleted, camera will get back to TEST Mode Main Interface automatically.
Exit	Press  to get back to TEST Mode main interface 

Photo Settings (Default Settings)



Image Size 2M



Multi-shot 1P

If wanted setting icon is not showing on camera LCD screen, press  repeatedly until it appears.

 Image Size	Set up Press  to enter configuration page, press  to choose desired Photo Size; press  to confirm
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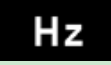
	setting. (8MP/5MP/2MP: 3264x2448, 2560x1920, 1920x1080)
 Multi-shot	Set up Press  to enter configuration page, press  to choose desired Photo Burst number; press  to confirm setting. (Support 1~7 photos per burst/ trigger.)

Video Settings(Default Settings)



	Video Size	VGA
Length	Video Length	5s
Frame	Video Frame	30FPS
Hz	Frequency	50Hz
	Audio Recording	ON

If wanted setting icon is not showing on camera LCD screen, press  repeatedly until it appears.

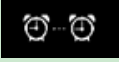
 Video Size	Set up Press  to enter configuration page, press  to choose desired Video Size, press  to confirm setting. (720P/VGA/CIF: 1280x720/640x480/320x240)
 Video Length	Set up Press  to enter configuration page, press  to choose desired Video Length per Burst/ Trigger; press  to confirm setting. (Support 5~60 seconds)
 Video Frame	Set up Press  to enter configuration page, press  to choose desired Video Frame; press  to confirm setting. (Optional 15FPS and 30FPS)
 Frequency	Set up Press  to enter configuration page, press  to choose desired Frequency based on local Country Frequency; press  to confirm setting. (Optional 50HZ and 60HZ)

 Audio Recording	Set up Press  to enter configuration page, press  to choose to turn ON/ OFF audio recording in video; press  to confirm setting. Select "ON", audio available in video clips.
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Camera Settings (Default Settings)

	Timer	OFF
	Time Lapse	OFF
	Delay	OFF
	Stamp	ON
	SD Cycle Recording	OFF
	Camera Sound	ON
	PIR Sensitivity	High
	Time/Date	
	GPRS Switch	OFF
	Camera Password	OFF
	Reset	NO

If wanted setting icon is not showing on camera LCD screen, press  repeatedly until it appears.

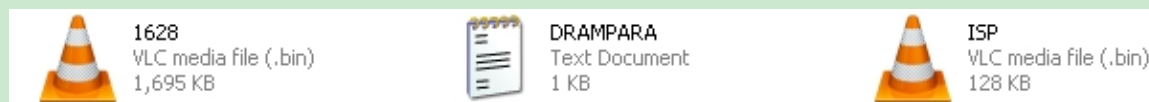
 Timer	a. Set up 1) Press  to enter configuration page, press  to choose ON ; press  again to set timer; 2) Press  to choose wanted number, press  to confirm and move to next number; 3) Press  again after Start time and End Time is set to Exit. b. How does this work? Camera will only work during pre-set Start Time and End Time.
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 Time Lapse	a. Set up 1) Press  to enter configuration page, press  to choose ON; press  again to set Time Lapse; 2) Press  to choose wanted number, press  to confirm and move to next number; 3) Press  again after all numbers are selected to Exit. b. How does this work? Camera will take photos/ videos automatically upon the interval user set.
 Delay	a. Set up 1) Press  to enter configuration page, press  to choose ON; press  again to set Delay; 2) Press  to choose wanted number, press  to confirm and move to next number; 3) Press  again after all numbers are selected to Exit. b. How does this work? Camera will take photos/ videos based on the pre-set time interval upon motion. This option prevents from taking too many photos or videos.
 Stamp	a. Set up Press  to enter configuration page, press  to choose ON/OFF; press  to confirm setting. b. How does this work? Left battery volume, Moon phase, Temperature, Date/Time, and pre-set Camera ID will be displayed on every photo.
 SD Cycle Recording	a. Set up Press  to enter configuration page, press  to choose ON/OFF; press  to confirm setting. b. How does this work? Select "ON", camera will continue to record photos/videos by deleting earliest photos or video clips recorded in SD card.
 Camera Sound	a. Set up Press  to enter configuration page, press  to choose ON/OFF; press  to confirm setting. b. How does this work? Select "OFF" to turn off camera speaker.
 PIR Sensitivity	a. Set up Press  to enter configuration page, press  to choose High/Middle/Low; press  to confirm setting. b. How does this work? High/ Middle/ Low; Higher sensitivity is 1) more sensitive to movements by smaller subjects; 2) longer detection distance; 3) easier for sensor to detect difference between body heat and outdoor

	temperature; 4) easier to trigger camera to record. In high temperature environment, body heat of subjects and environment temperature is hard to tell by camera, suggest to set High.
 Time/Date	a. Set up 1) Press  to enter configuration page; 2) Press  to choose, press  to confirm wanted number and move to next number; 3) Press  again to Exit after all numbers are selected. b. How does this work? Date/Time; Date: "month/ date/ year"; Time: "hour/minute" Note: Plz adjust Time/Date when you turn on camera to ensure camera to function well as expected.
 Camera Password	a. Set up 1) Press  to enter configuration page, press  to choose ON; press  again to set Password; 2) Press  to choose wanted digit, press  to confirm and move to next number; 3) Press  again to confirm. b. How does this work? Enable password protection for your camera; support totally 6 digits long password access.
 Reset	a. Set up Press  to enter configuration page, press  to choose YES/NO; press  to confirm setting. b. How does this work? Choose YES to reset camera settings back to factory default settings.

Software Upgrade

1. Copy the upgrade software files (3 files) into MicroSD Card;
Note: Suggest to use 1 or 2 GB SD card to do the upgrade.



2. Insert MicroSD Card into camera;
3. Insert batteries/ or plug in USB power cable;
4. Press and hold **Power/Navigation button** , camera speaker emits one Beep Sound;
5. Release button  when you see red indicator led flashes;
6. Then press and hold **Menu/OK button** ;
Note: red indicator LED stops flashing but keeps lighting up;
7. Release button  after you see until **ISP** interface shows up in screen

ISP

8. Upgrade succeeds when red indicator led is off;
9. Plug out batteries/or power cable;
10. Insert batteries/ or power cable; turn on camera. Done.

Note: Don't cut off power supply during software upgrade; otherwise, camera will not be able to be turned on again unless software upgrade via PC.

USB Connection

When camera is connected via USB, press and hold button , camera speaker emits one Beep Sound, and red indicator LED lights up; then interface below appears.



Press  to choose DC in, or PC connection; press  to confirm choosing.

a. DC in for Power Supply

Camera enters Test Mode Main Interface.



b. PC Connection to Read MicroSD Card



Camera screen shows interface as below. Now you can read MicroSD Card contents via PC.



By pressing  again, camera will be turned into a PC camera; press  again to Exit.



Plug out power cable to turn off camera and restart.

5. MicroSD Card Selection & Battery Life Test Report

MicroSD Card Selection

A memory card is required to operate the camera. When the camera is "ON" and no memory card is inserted, screen displays "No SD Card". Micro SD Card slot of camera supports up to 32 GB memory card. Before inserting or removing the memory card, the camera must be powered OFF. Failing to do so may cause loss of or damage the pictures already recorded in the memory card. Following data shows an approximate quantity of photos which can be recorded by the camera depending on the memory card capacity.

Chart below will show you the approximate capacity of different size SD cards. Pls check to see which size card can fit your needs best.

SD Size Capacity	1GB	2 GB	4 GB	8 GB	16 GB	32 GB
Photo (pictures)						
2 MP	1645	3195	6197	12401	23786	50146
5 MP	653	1244	2356	4453	7957	14241
8 MP	421	796	1488	2873	4864	8092
Video (hours)						
720P HD	00:09:50	00:18:41	00:35:15	01:06:51	02:11:18	04:20:54
640x480	00:21:31	00:41:58	01:22:13	02:47:27	05:29:13	13:01:16
320x160	00:50:45	01:44:18	03:21:04	06:37:45	13:22:58	27:00:20

Battery Life Test Report for Reference

Test Condition: LCD screen off. Mode: “Power On” _PIR intelligent automatically monitoring						
4AA Alkaline Batteries						
Photos shot per day		Working time	Video clips shot per day			Working time
IR LEDs On						
2MP	100 photos	26 days	320× 240	10 sec	10 clips	47 days
5MP	100 photos	24 days	640× 480	10 sec	10 clips	44 days
8MP	100 photos	21 days	1280× 720	10 sec	10 clips	41 days
IR LEDs Off						
2MP	100 photos	51 days	320× 240	10 sec	10 clips	185 days
5MP	100 photos	48 days	640× 480	10 sec	10 clips	170 days
8MP	100 photos	46 days	1280× 720	10 sec	10 clips	161 days

Model	2.8C
Recording	
Video Format	.avi
Video Resolution	720P (1280*720) D1 (640*480) CIF (320*240)
Video Frame Rate	15 / 30 FPS; programmable
Video Length	5-60sec. programmable
Still Image Format	JPEG
Still Image Resolution	2MP (1920x1080) 5MP (2560x1920) 8MP(3264x2448)
Shooting Numbers	1~7 photos/trigger(programmable)
Photo Stamp	Battery left volume
	moon phase
	temperature
	Date & time
	camera ID—4 digits/ alphabets combination (Programmable by User)
Record Delay	1second~23h 59min 59sec
Night Vision	
Night Vision Distance	8~10m, 30 feet
No. of Infra-Red LEDs	26pcs
General	
Image Sensor	1.3 Mega Pixels Color CMOS
Lens	F=3.0; FOV=49°; Auto IR-Cut-Remove
Effective IR Flash	8 meters
Infrared Cut Filter	Yes
White Balance	Automatic
Day/Night Mode	Color during day / B&W at night
Minimum Illumination	0 Lux (IR on)
Effective PIR Angle	100°
PIR Sensitivity	High / Normal / Low 3 levels
Audio Recording	Yes
Operation Power	6~12V DC (1~2A)
Battery Type	4 AA

6. Specification

Auto Power Off	Enter PIR Auto Mode in 1min without any operations
Interface	USB; Micro SD card slot
Memory Type and Size	Micro SD Card, up to 32G
Display	1.0 inch B/W Screen
Language	English
Sensor Type	PIR (Passive Infrared)
Sensor Range	12~15m; 50 feet
Sensor Trigger Speed	0.8-1 sec
Power Consumption	150mA (+1380mA: 940nm IR LEDs on) (+1080mA: 850nm IR LEDs on)
Low Battery Alert	Yes
Stand-by Time	4 months (4 AA batteries)
Operating Temperature	(-20 ~ 60) °C
Operation Humidity	5%-90%
Waterproof spec	IP54
Dimensions	100.4*70.44*51.32mm
Weight	171.2 g
Certification	CE, FCC, RoHs
Functions	
Photo+Video	Yes
Time Lapse	Yes
Timer	Yes
Time Lapse Delay	Yes
Password Protection	Yes, 6 digits
SD Card Cycle Recording	Yes
Auto Power Off in Test Mode	Yes
Water/WeatherProof	Yes

Specifications are subject to change without prior notice

7. Warranty

With great pride and full confidence in our products, we always keep our words which are given to our customers as specified warranty terms and service below. Based on a strict QC system, we initially offer all our customers [one year long time limited warranty](#), come along with selectable chargeable [renewal policy of warranty as one, two, three, or four years](#).

Our products are warranted against defects in materials and workmanship for a period of one year from the date of original purchase. If a defect exists, we will, at our option and to extent permitted by law will (1) repair the product at no charge using new or refurbished parts; (2) exchange the product with a functionally equivalent product that is new or refurbished. Provided the product is returned freight charge paid.

This warranty excludes damage resulting from abuse, accident, modifications or other causes that are not defects in materials and workmanship, or by someone other than our authorized technicians. This warranty only covers failures due to defects in materials or workmanship under normal usage.

To obtain warranty service, please contact us to determine the nature of problem before return the product under this warranty (with a written description of the problem and print samples) for repairing or exchanging.